

01-15-03

3763

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT (Under 37 CFR 1.97(b) or 1.97(c))		Docket No. P-5540	
Re Application Of: HARDING ET AL.			
Serial No. 10,017,024	Filing Date 12/7/01	Examiner	Group Art Unit

Title: **NEEDLELESS LUER ACCESS CONNECTOR**

Address to:
 Assistant Commissioner for Patents
 Washington, D.C. 20231

37 CFR 1.97(b)

1. ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

37 CFR 1.97(c)

2. ☐ The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:

☐ the statement specified in 37 CFR 1.97(e);

OR

☐ the fee set forth in 37 CFR 1.17(p).

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TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.
P-5540

In Re Application: **HARDING ET AL.**

Serial No.
10/017,024

Filing Date
12/7/01

Examiner

Group Art Unit

NEEDLELESS LUER ACCESS CONNECTOR

Payment of Fee

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

- ☐ A check in the amount of _____ is attached.
- ☒ The Assistant Commissioner is hereby authorized to charge and credit Deposit Account No. 02-1666 as described below. A duplicate copy of this sheet is enclosed.
- ☐ Charge the amount of _____
- ☒ Credit any overpayment.
- ☒ Charge any additional fee required.

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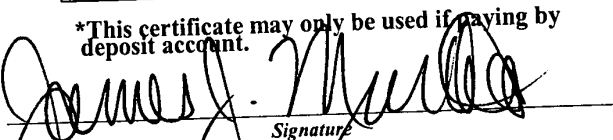
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Signature

James J. Murtha, Reg. No. 35,769
Becton, Dickinson and Company
1 Becton Drive
Franklin Lakes, New Jersey 07417-1880
(201) 847-7160

Dated: January 14, 2003

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U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
		DE3809127C1		GERMANY				✓
		EP 0 309 771A1		EPO				✓
		EP 0240 987A2		EPO			✓	
		EP 0 414 997A1		EPO				✓
		EP 0 446 463A1		EPO				✓

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

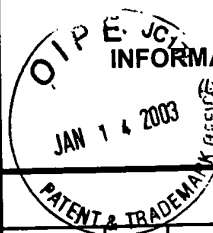
OTHER DOCUMENTS (including Native, Foreign, and other documents)			

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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,535,820	8/20/85	RAINES			5/24/84
	4,535,818	8/20/85	DUNCAN ET AL.			9/26/83
	4,535,819	8/20/85	ATKINSON ET AL.			6/4/84
	4,512,766	4/23/85	VAILLANCOURT			12/8/82
	4,511,359	4/16/85	VAILLANCOURT			9/29/82
	4,508,367	4/2/85	OREOPOULOS ET AL.			11/17/82
	4,496,348	1/29/85	GENESE ET AL.			11/29/79
	4,475,548	10/9/84	MUTO			6/1/82
	4,457,749	7/3/84	BELLOTTI ET AL.			4/19/82
	4,436,519	3/13/84	O'NEILL			5/28/81
	4,436,125	3/13/84	BLENKUSH			3/17/82

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
					YES	NO
WO 97/24548		PCT			✓	
WO 97/00702		PCT			✓	
WO 96/40359		PCT			✓	
WO 93/11828		PCT			✓	
WO 96/00053		PCT			✓	

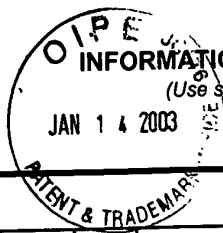
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		"NEW SUPER-STIFF GUIDE WIRE", By Drs. Smith, Darcy, Hunter, Castaneda-Zuniga and Amplatz, Vol. 161, Number 2 of Radiology, pp.551-552, November 1986
		International Standard ISO 594/1 - "Conical Fittings with a 6% (Luer) taper for syringes, needles and certain other medical equipment - Part 1: General Requirements, First Edition - 1986-096-15

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	4,432,765	2/21/84	OSCARSSON			7/14/82
	4,432,759	2/21/84	GROSS ET AL.			4/26/82S
	4,432,755	2/21/84	PEARSON			5/25/83
	4,429,856	2/7/84	JACKSON			12/18/81
	4,421,296	12/20/83	STEPHENS			8/11/81
	4,421,123	12/20/83	PERCARPIO			11/30/81
	4,387,879	6/14/83	TAUSCHINSKI			7/16/81
	4,360,024	11/23/82	WALLACE			11/14/80
	4,341,239	7/27/82	ATKINSON			7/14/80
	4,341,224	7/27/82	STEVENS			2/4/80
	4,338,933	7/13/82	BAYARD ET AL.			12/22/80

FOREIGN PATENT DOCUMENTS

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						YES	NO
	1,105,959		CANADA			✓	
	DE 29 07 832A1		GERMANY				✓
	DE 3031242A1		GERMANY				✓
	DE30 42 229A1		GERMANY				✓

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		Machinery's Handbook 23rd Edition, by Obert, Jones and Horton - Industrial Press Inc., NY, pp. 1610-1621

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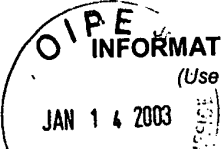
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		4,334,551	6/15/82	PFISTER			4/30/79
		4,332,333	6/1/82	LINSEY			7/21/80
		4,328,802	5/11/82	CURLEY ET AL.			5/14/80
		4,326,569	4/27/82	VAILLANCOURT			2/15/80
		4,324,239	4/13/82	GORDON ET AL.			6/20/80
		4,294,250	10/13/81	DENNEHEY			12/7/79
		4,261,357	4/14/81	KONTOS			1/29/79
		4,252,122	2/24/81	HALVORSEN			5/10/79
		4,240,411	12/23/80	HOSONO			4/18/78
		4,219,912	9/2/80	ADAMS			10/10/78
		4,201,208	5/6/80	CAMBIO, JR.			11/30/77

FOREIGN PATENT DOCUMENTS								
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		DE8425197U1		GERMANY				✓
		DE 3737665A1		GERMANY				✓
		EP 0 051 718A1		EPO				✓
		EP 0 111 723A1		EPO				✓
		EP 0 114 677A2		EPO			✓	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
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U.S. PATENT DOCUMENTS								
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
		4,200,096	4/29/80	CHARVIN			6/8/77	
		4,197,848	4/15/80	GARRETT ET AL.			1/6/78	
		4,192,304	3/11/80	MILLET			3/14/78	
		4,187,846	2/12/80	LOLACHI ET AL.			6/22/78	
		4,177,814	12/11/79	KNEPSHIELD ET AL.			1/18/78	
		4,177,809	12/11/79	MOOREHEAD			9/15/77	
		4,149,535	4/17/79	VOLDER			5/6/77	
		4,143,853	34/13/79	ABRAMSON			7/14/77	
		4,133,312	1/9/79	BURD			10/13/76	
		4,128,098	12/5/78	BLOOM ET AL.			12/6/76	
		4,121,585	10/24/78	BECKER, JR.			1/24/77	
FOREIGN PATENT DOCUMENTS								
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							YES	NO
		EO 0 223 451A2		EPO			✓	
		EP 0 343 953A1		EPO			✓	
		EP 0 696 461A2		EPO			✓	
		EP 0 798 013A1		EPO			✓	
		1,149,727		FRANCE				✓
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
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U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL	TRADEMARK OFFICE	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		4,106,491	8/15/78	GUERRA			12/13/76
		4,105,187	8/8/78	HUBER			10/4/76
		4,084,606	4/18/78	MITTLEMAN			4/23/74
		4,080,965	3/28/78	PHILLIPS			9/30/76
		4,076,285	2/28/78	MARTINEZ			8/1/75
		4,063,555	12/20/77	ULINDER			1/22/76
		4,040,421	8/9/77	YOUNG			7/6/76
		4,019,512	4/26/77	TENCZAR			12/4/75
		4,000,739	1/4/77	STEVENS			7/9/75
		3,994,293	11/30/76	FERRO			4/29/75
		3,986,508	10/19/76	BARRINGTON			11/6/74

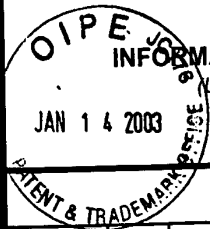
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		2,049,513		FRANCE				✓
		1,344,166		GREAT BRITAIN			✓	
		2,012,919A		GREAT BRITAIN			✓	

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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	3,977,403	8/31/76	PATEL			2/24/75
	3,977,400	8/31/76	MOOREHEAD			11/29/74
	3,974,832	8/17/76	KRUCK			3/22/73
	3,898,988	8/12/75	MORGAN			4/22/74
	3,889,675	6/17/75	STEWART			6/25/74
	3,875,938	4/8/75	MELLOR			8/22/73
	3,856,010	12/24/74	MOOREHEAD ET AL.			9/7/73
	3,853,127	12/10/74	SPADEMAN			4/3/73
	3,837,381	9/24/74	ARROYO			12/26/72
	3,831,629	8/27/74	MACKAL ET AL.			1/24/72
	3,806,086	4/23/74	CLOYD			3/15/73

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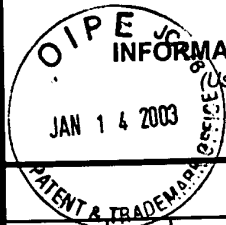
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U.S. PATENT DOCUMENTS

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	3,648,684	3/14/72	BARNWELL ET AL.			8/4/70
	3,620,500	11/16/71	SANTOMIERI			2/4/70
	3,601,151	8/24/71	WINNARD			1/8/68
	3,570,484	3/16/71	STEER			8/20/68
	3,466,065	9/9/69	ACKER ET AL.			4/4/68
	3,416,567	12/17/68	VON DARDEL ET AL.			2/12/65
	3,354,881	11/28/67	BLOCH			11/3/64
	3,308,798	3/14/67	SNIDER			5/5/65S
	3,200,860	8/17/65	BARTON ET AL.			4/3/61
	3,157,201	11/17/64	LITTMANN			4/12/62
	3,134,380	5/26/64	ARMAO			2/8/62

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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	3,091,240	5/28/63	MC CONNAUGHEY ET AL.			5/29/58
	3,084,688	4/9/63	MC CONNAUGHEY			7/15/59
	3,057,350	10/9/62	COWLEY			6/27/58
	2,999,499	9/12/61	WILLET			7/11/58
	2,933,333	4/19/60	BREDTSCHNEIDER ET AL.			9/26/55
	2,899,975	8/18/59	FERNANDEZ			1/22/57
	2,881,937	4/14/59	ROBERTS			6/4/54
	811,811	2/6/06	ALLISON			5/22/05
	2,847,995	8/19/58	ADAMS			8/23/54
	2,707,953	5/10/55	RYAN			7/15/52
	2,682,874	7/6/54	HICKEY			5/13/53

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						YES	NO

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	2,653,606	9/29/53	RYAN			7/6/49
	2,579,724	12/25/51	BREAKSTONE			4/15/46
	2,289,677	7/14/42	PERELSON			9/24/40
	1,578,517	3/30/26	HEIN			12/23/24
	1,180,665	4/25/16	MC ELROY			11/29/15
	DES.321,251	10/29/91	JEPSON ET AL.			3/7/89
	6,261,282B1	7/17/01	JEPSON ET AL.			5/20/98
	5,092,840	3/3/92	HEALY			7/16/90
	5,092,857	3/3/92	FLEISHHACKER			5/17/91
	5,098,405	3/24/92	PETERSON ET AL.			1/31/91
	5,099,878	3/31/92	BOEHMER			5/13/91

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					YES	NO

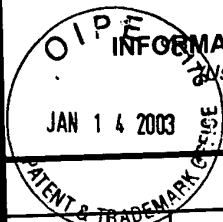
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	5,100,394	3/31/92	DUDAR ET AL.			10/23/89
	5,103,854	4/14/92	BAILEY ET AL.			9/24/91
	5,104,379	4/14/92	NAKAMURA ET AL.			3/28/90
	5,104,389	4/14/92	DEEM ET AL.			6/27/91
	5,108,380	4/28/92	HERLITZE ET AL.			1/4/91
	5,114,408	5/19/92	FLEISCHHAKER ET AL.			10/18/90
	5,122,123	6/16/92	VAILLANCOURT			1/30/91
	5,127,904	7/7/92	LOO ET AL.			4/2/90
	5,129,426	7/14/92	BOEHMER			5/13/91
	5,135,489	8/4/92	JEPSON ET AL.			4/10/89

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
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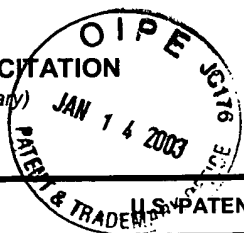
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U.S. PATENT DOCUMENTS

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	5,139,483	8/18/92	RYAN			12/12/91
	5,137,527	8/11/92	MILLER ET AL.			9/20/90
	5,147,333	9/15/92	RAINES			5/13/91
	5,154,703	10/13/92	BONALDO			10/30/90
	5,158,554	10/27/92	JEPSON ET AL.			6/12/90
	5,163,922	11/17/92	MC ELVEEN JR. ET AL.			4/29/91
	5,167,637	12/1/92	OKADA ET AL.			10/30/91
	5,167,642	12/1/92	FOWLES			8/27/90
	5,167,648	12/1/92	JEPSON ET AL.			6/11/90
	5,171,234	12/15/92	JEPSON ET AL.			6/12/90
	5,178,607	1/12/93	LYNN ET AL.			10/10/90

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,184,652	2/9/93	FAN			7/2/91
	5,188,620	2/23/93	JEPSON ET AL.			6/14/90
	5,190,067	3/2/93	PARADIS ET AL.			12/9/91
	5,199,948	4/6/93	MC PHEE			5/2/91
	5,201,725	4/13/93	KLING			9/26/91
	5,203,775	4/20/93	FRANK ET AL.			3/20/92
	5,207,656	5/4/93	KRANYS			4/19/90S
	5,211,634	5/18/93	VAILLANCOURT			8/6/91
	5,215,537	6/1/93	LYNN ET AL.			9/13/90
	5,211,638	5/18/93	DUDAR ET AL.			1/21/92
	5,215,538	6/1/93	LARKIN			2/5/92

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

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U.S. PATENT DOCUMENTS							
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		5,230,706	7/27/93	DUQUETTE			3/12/92
		5,234,410	8/10/93	GRAHAM ET AL.			10/23/92
		5,242,393	9/7/93	BRIMHALL ET AL.			6/18/92
		5,242,423	9/7/93	GOODSIR ET AL.			3/9/92
		5,242,432	9/7/93	DE FRANK			9/26/91
		5,249,598	10/5/93	SCHMIDT			8/3/92
		5,250,033	10/5/93	EVANS ET AL.			10/28/92
		5,251,873	10/12/93	ATKINSON ET AL.			6/4/92
		5,261,459	11/16/93	ATKINSON ET AL.			12/7/92
		5,269,763	12/14/93	BOEHMER ET AL.			7/18/91
		5,269,771	12/14/93	THOMAS ET AL.			2/24/93
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,273,533	12/28/93	BONALDO			3/11/92
	5,279,571	1/18/94	LARKIN			3/3/93
	5,280,876	1/25/94	ATKINS			3/25/93
	5,289,849	3/1/94	PARADIS			4/20/92
	5,290,254	3/1/94	VAILLANCOURT			11/16/92
	5,295,657	3/22/94	ATKINSON			4/12/93
	5,295,658	3/22/94	ATKINSON ET AL.			6/1/93
	5,301,707	4/12/94	HOFSTEENGE			4/12/93
	5,306,243	4/26/94	BONALDO			7/12/93
	5,312,362	5/17/94	PFOLSGRAF ET AL.			2/4/93
	5,312,377	5/17/94	DALTON			3/29/93

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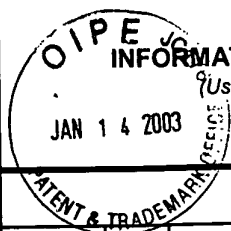
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*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,330,435	7/19/94	VAILLANCOURT			4/8/93
	5,330,437	7/19/94	DURMAN			11/12/93
	5,336,192	8/9/94	PALESTRANT			11/27/91
	5,344,414	9/6/94	LOPEZ ET AL.			2/19/93
	5,349,984	9/27/94	WEINHEIMER ET AL.			1/25/93
	5,353,837	10/11/94	FAUST			5/22/92
	5,360,413	11/1/94	LEASON ET AL.			5/19/93
	5,370,636	12/6/94	VON WITZLEBEN			8/25/93
	5,368,801	11/29/94	VAILLANCOURT			1/5/93
	5,380,306	1/10/95	BRINON			11/23/92
	5,390,898	2/21/95	SMEDLEY ET AL.			4/6/94

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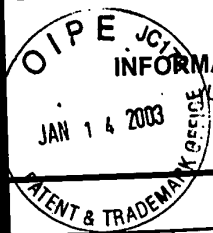
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		5,401,245	3/28/95	HAINING			11/26/93
		5,395,348	3/7/95	RYAN			12/22/93
		5,402,982	4/4/95	ATKINSON ET AL.			9/20/93
		5,409,125	4/25/95	KIMBER ET AL.			12/3/93
		5,409,471	4/25/95	ATKINSON ET AL.			7/6/93
		5,417,672	5/23/95	NITA ET AL.			10/4/93
		5,417,673	5/23/95	GORDON			4/21/94
		5,437,646	8/1/95	HUNT ET AL.			5/27/93
		5,439,451	8/8/95	COLLINSON ET AL.			11/30/94
		5,441,486	8/15/95	YOON			11/9/94
		5,441,487	8/15/95	VEDDER			1/23/95
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*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,445,630	8/29/95	RICHMOND			7/28/93
	5,453,097	9/26/95	PARADIS			8/15/94
	5,456,284	10/10/95	RYAN ET AL.			5/10/93
	5,456,675	10/10/95	WOLBRING ET AL.			3/31/94
	5,458,640	10/17/95	GERRONE			5/5/94
	4,566,493	1/28/86	EDWARDS ET AL.			2/21/85
	4,568,081	2/4/86	MARTIN			10/12/84
	4,568,336	2/4/86	COOPER			4/26/84
	4,573,993	3/4/86	HOAG ET AL.			9/29/83
	4,601,703	7/22/86	HERLITZE			12/20/84
	4,607,671	8/26/86	AALTO ET AL.			8/21/84

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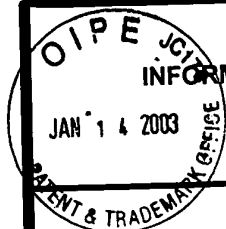
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*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,610,276	9/9/86	PARADIS ET AL.			9/29/82
	4,610,469	9/9/86	WOLFF-MOOIJ			1/31/84
	4,610,665	9/9/86	MATSUMOTO ET AL.			1/3/84
	4,610,674	9/9/86	SUZUKI ET AL.			8/29/85
	4,612,960	9/23/86	EDWARDS ET AL.			6/14/85
	4,615,693	10/7/86	PARADIS ET AL.			3/27/84
	4,617,012	10/14/86	VAILLANCOURT			10/29/85
	4,629,159	12/16/86	WELLENSTAM			6/27/85
	4,629,450	12/16/86	SUZUKI ET AL.			5/6/85
	4,645,494	2/24/87	LEE ET AL.			10/22/85
	4,649,904	3/17/87	KRAUTER ET AL.			1/2/86

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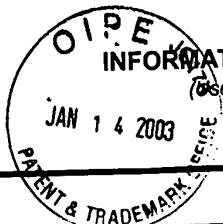
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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,655,752	4/7/87	HONKANEN ET AL.			4/7/86
	4,673,393	6/16/87	SUZUKI ET AL.			12/24/85
	4,673,394	6/16/87	FENTON, JR. ET AL.			1/17/86
	4,683,916	8/4/87	RAINES			9/25/86
	4,673,400	6/16/87	MARTIN			2/10/86
	4,706,487	11/17/87	BANDOU ET AL.			6/2/86
	4,728,075	3/1/88	PARADIS			1/28/81
	4,745,950	5/24/88	MATHIEU			4/11/86
	4,752,287	6/21/88	KURTZ ET AL.			12/30/86
	4,752,292	6/21/88	LOPEZ ET AL.			1/9/87
	4,758,225	7/19/88	COX ET AL.			11/7/86

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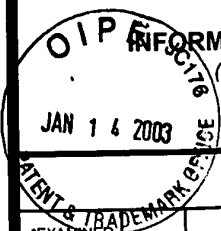
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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,759,756	7/26/88	FORMAN ET AL.			9/14/84
	4,765,588	8/23/88	ATKINSON			8/18/86
	4,768,568	9/6/88	FOURNIER ET AL.			7/7/87
	4,775,369	10/4/88	SCHWARTZ			6/3/87
	4,781,702	11/1/88	HERRLI			6/16/87
	4,786,281	11/22/88	VALENTINI ET AL.			6/30/86
	4,809,679	3/7/89	SHIMONAKA ET AL.			10/13/87
	4,810,241	3/7/89	ROGERS			3/19/87
	4,827,973	5/9/89	BOEHMER			6/27/88
	4,834,152	5/30/89	HOWSON ET AL.			7/27/87
	4,834,719	5/30/89	ARENAS			4/28/86

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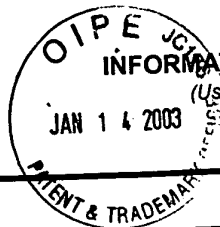
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*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,838,855	6/13/89	LYNN			7/31/87
	4,838,873	6/13/89	LANDSKRON ET AL.			5/23/88
	4,842,591	6/27/89	LUTHER			1/21/88
	4,846,809	7/11/89	SIMS			2/29/88
	4,850,975	7/25/89	FURUKAWA			3/16/88
	4,856,533	8/15/89	ANRAKU ET AL.			1/28/86
	4,857,062	8/15/89	RUSSELL			3/9/88
	4,863,201	9/5/89	CARSTENS			4/13/89
	4,865,583	9/12/89	TU			4/20/88
	4,871,356	10/3/89	HAINDL ET AL.			5/17/88
	4,874,377	10/17/89	NEWGARD ET AL.			5/26/88

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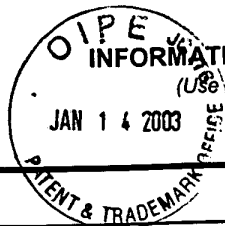
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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,878,897	11/7/89	KATZIN			11/26/86
	4,895,346	1/23/90	STEIGERWALD			5/2/88
	4,886,507	12/12/89	PATTON ET AL.			2/1/88
	4,908,018	3/13/90	THOMSEN			9/29/88
	4,909,798	3/20/90	FLEISHHACKER ET AL.			11/12/87
	4,915,687	4/10/90	SIVERT			2/17/89
	4,917,668	4/17/90	HAINDL			2/2/89
	4,935,010	6/19/90	COX ET AL.			11/9/87
	4,944,732	7/31/90	RUSSO			8/15/88
	4,950,257	8/21/90	HIBBS ET AL.			9/15/88
	4,950,260	8/21/90	BONALDO			11/2/89

FOREIGN PATENT DOCUMENTS

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*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,954,149	9/4/90	FULLEMANN			10/25/89
	4,960,412	10/2/90	FINK			4/15/88
	4,964,855	10/23/90	TODD ET AL.			3/31/89
	4,966,588	10/30/90	RAYMAN ET AL.			
	4,969,879	11/13/90	LICHTE			7/26/88
	4,981,469	1/1/91	WHITEHOUSE ET AL.			4/18/88
	4,984,829	1/15/91	SAIGO ET AL.			4/21/88
	4,986,310	1/22/91	BAILEY ET AL.			1/22/90
	4,998,713	3/12/91	VAILLANCOURT			1/10/90
	4,998,921	3/12/91	VICKROY ET AL.			11/20/89
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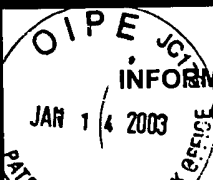
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U.S. PATENT DOCUMENTS

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	5,000,745	3/19/91	GUEST ET AL.			11/18/88
	5,006,114	4/9/91	ROGERS ET AL.			4/20/90
	5,006,118	4/9/91	YULE			1/9/89
	5,009,391	4/23/91	STEIGERWALD			10/31/90
	5,010,925	4/30/91	ATKINSON ET AL.			4/9/90
	5,041,095	8/20/91	LITTRELL			12/22/89
	5,041,087	8/20/91	LOO ET AL.			5/31/90
	5,041,097	8/20/91	JOHNSON			2/26/90
	5,049,128	9/17/91	DUQUETTE			2/6/90
	5,059,186	10/22/91	YAMAMOTO ET AL.			3/23/89
	5,060,812	10/29/91	OGLE, II			9/6/90

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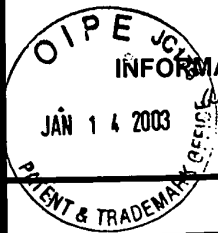
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					YES	NO

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*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,061,253	10/29/91	YOSHIDA			10/24/89
	5,064,416	11/12/91	NEWGARD ET AL.			7/17/89
	5,065,783	11/19/91	OGLE, II			9/20/90
	5,069,225	12/3/91	OKAMURA			9/25/89
	5,069,424	12/3/91	DENNANY, JR. ET AL.			10/17/90
	5,070,905	12/10/91	PARADIS			5/29/90
	5,071,404	12/10/91	LARKIN ET AL.			8/1/89
	5,078,699	1/7/92	HABER ET AL.			9/22/89
	5,085,645	2/4/92	PURDY ET AL.			8/15/90
	5,088,984	2/18/92	FIELDS			10/3/90
	5,462,255	10/31/95	ROSEN ET AL.			3/25/94

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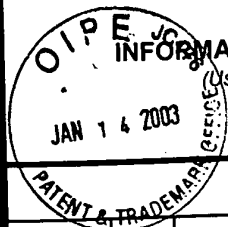
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*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,465,938	11/14/95	WERGE ET AL.			3/2/93
	5,466,219	11/14/95	LYNN ET AL.			8/27/92
	5,470,319	11/28/95	MAYER			6/20/94
	5,474,536	12/12/95	BONALDO			4/25/94
	5,474,541	12/12/95	RITSKY ET AL.			8/31/93
	5,474,544	12/12/95	LYNN			11/22/94
	5,487,728	1/30/96	VAILLANCOURT			5/19/94
	5,487,731	1/30/96	DENTON			2/22/94
	5,492,147	2/20/96	CHALLENGER ET AL.			1/17/95
	5,492,304	2/20/96	SMITH ET AL.			6/16/93
	5,501,426	3/26/96	ATKINSON ET AL.			5/10/94

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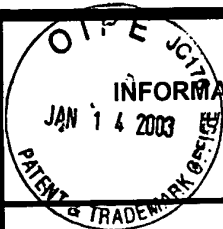
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*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,509,433	4/23/96	PARADIS			10/13/93
	5,509,912	4/23/96	VAILLANCOURT ET AL.			12/29/94
	5,514,098	5/7/96	PFOSLGRAF ET AL.			3/31/94
	5,514,116	5/7/96	VAILLANCOURT ET AL.			10/24/94
	5,520,665	5/28/96	FLEETWOOD			
	5,529,278	6/25/96	WELDON ET AL.			11/19/93
	5,531,810	7/2/96	FULLEMANN			9/21/94
	5,533,708	7/9/96	ATKINSON ET AL.			1/26/95
	5,533,983	7/9/96	HAINING			7/9/96
	5,535,771	7/16/96	PURDY ET AL.			8/10/94
	5,535,785	7/16/96	WERGE ET AL.			9/8/94

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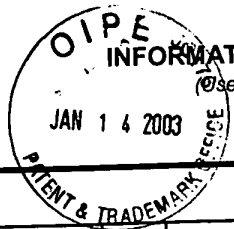
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	5,540,661	7/30/96	TOMISAKA ET AL.			5/3/94
	5,549,566	8/27/96	ELIAS ET AL.			10/27/94
	5,549,577	8/27/96	SIEGEL ET AL.			12/29/93
	5,549,651	8/27/96	LYNN			5/25/94
	5,552,118	9/3/96	MAYER			7/22/94
	5,555,908	9/17/96	EDWARDS ET AL.			6/23/95
	5,569,235	10/29/96	ROSS ET AL.			6/21/94
	5,573,516	11/12/96	TYNER			9/18/95
	5,578,059	11/26/96	PATZER			8/10/95
	5,584,808	12/17/96	HEALY			6/20/95
	5,597,536	1/28/97	MAYER			2/28/96

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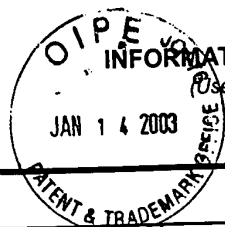
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	5,616,130	4/1/97	MAYER			6/22/95
	5,620,434	4/15/97	BRONY			7/10/95
	5,674,206	10/7/97	ALTON ET AL.			7/19/96
	5,685,866	11/11/97	LOPEZ			11/4/94
	5,688,254	11/18/97	LOPEZ ET AL.			6/7/95
	5,690,612	11/25/97	LOPEZ ET AL.			6/7/95
	5,694,686	12/9/97	LOPEZ			6/24/94
	5,695,466	12/9/97	LOPEZ ET AL.			7/23/93
	5,699,821	12/23/97	PARADIS			8/15/94
	5,700,248	12/23/97	LOPEZ			12/15/95
	5,702,019	12/30/97	GRIMARD			9/27/95

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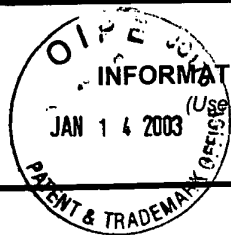
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*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,727,770	3/17/98	DENNIS			2/7/97
	5,738,663	4/14/98	LOPEZ			12/15/95
	5,749,861	5/12/98	GUALA ET AL.			2/26/97
	5,776,113	7/7/98	DAUGHERTY ET AL.			3/29/96
	5,788,675	8/4/98	MAYER			10/31/95
	5,820,601	10/13/98	MAYER			8/20/96
	5,836,923	11/17/98	MAYER			10/22/96
	5,251,873	10/12/93	ATKINSON ET AL.			6/4/92
	5,080,654	1/14/92	PICHA ET AL.			11/8/90
	4,969,883	11/13/90	GILBERT ET AL.			1/3/89
	4,449,693	5/22/84	GEREG			9/30/82

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